

UAF_Grid_Test_Site

The following instructions (provided by Steve Hankin) describe how to add datasets to the UAF THREDDS Catalog.

1. The initial [[THREDDS catalog](#)] is now available to the general public. It is organized based on the NOAA org chart. This is a "straw man" intended for us to collectively add to or modify.
2. Since the URL above is visible to the public we don't want to do our experimental edits on it directly. They need to be tested each before making them publicly visible. (Plus PMEL security restrictions wouldn't allow changes directly on this server.) So we have provided a [[separate site](#)] to make changes. This site admits you into PMEL's virtual private network.
3. Your NOAA NEMS authentication should get you on. If you have any troubles getting in contact Kevin O'Brien (Kevin.M.O'Brien@noaa.gov).
4. SVN version control at this site allows you to roll back changes that you make. The process is fairly self explanatory, simply use the links on the home page to download and upload the xml. Once changes have been made, the catalog is loaded into a test catalog (also reachable from that page).
5. This "test" THREDDS server has limited capabilities and is merely there so users can confirm that their changes look right. An email is automatically submitted to TMAP on upload that notifies us to turn the appropriate cranks to get it working on the public site.
6. When submitting a new version please include your name in the comment field. (Unless you do this consciously we'll have to make you do a second login.
7. The "Track changes/retrieve older revisions of the catalog" link brings users to the Polarion Web Client, which has various features that allow users to view changes between versions of the file(s) committed to the repository. Use the check boxes to select revisions (SVN speak for "version") to compare, and then click the compare icon button.
8. There is a security wrinkle in adding distributed NOAA THREDDS sites to the THREDDS catalog available at PMEL. The TDS server at PMEL that reads our collectively edited THREDDS configuration XML has to make requests to the other NOAA Web URLs that we add to it. Due to security restrictions PMEL's Web servers are only allowed to make contact with approved outside URLs. That means that for each new NOAA THREDDS tree we add to the catalog, we have to get an approval. So there will always be a delay between the edits that we make when inside the VPN and seeing those changes on the public site.
9. The next step for all of us is to add other THREDDS subcatalogs to the current straw man. Obvious missing sites are NODC, NDBC, etc. **EVERYONE PLEASE MAKE SURE THE SITES YOU KNOW OF ARE INCLUDED. PLEASE DON'T BE SHY ABOUT EXPERIMENTING. IT IS EXPECTED THAT WE WILL BREAK THE SYSTEM REPEATEDLY. THAT IS PART OF THE DESIGN. IT IS WHY WE HAVE VERSION CONTROL. IT IS NOT A PROBLEM.**